



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

March 18, 2019

Ms. Doris Chen & Lewis Weinstock
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: EtO Region 5

Dear Ms. Doris Chen & Lewis Weinstock,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 03/01/19 10:50 through 03/06/19 10:20.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Trip Blank	9030101-10	Air	02/26/19 00:00	03/01/19 10:50
Hinsdale South HS	9030524-01	Air	03/02/19 09:59	03/05/19 10:18
Willow Pond Park	9030524-02	Air	03/02/19 09:55	03/05/19 10:18
West Neighborhood	9030524-03	Air	03/02/19 10:07	03/05/19 10:18
WB Village Hall	9030524-04	Air	03/02/19 09:42	03/05/19 10:18
Gower MS	9030524-05	Air	03/02/19 09:46	03/05/19 10:18
Gower ES	9030524-06	Air	03/02/19 10:04	03/05/19 10:18
WB Warehouse C1	9030524-07	Air	03/02/19 09:38	03/05/19 10:18
WB Warehouse C2	9030524-08	Air	03/02/19 09:38	03/05/19 10:18
Water Tower	9030524-09	Air	03/02/19 09:50	03/05/19 10:18
Willow Pond Park	9030618-01	Air	03/05/19 10:51	03/06/19 10:20
West Neighborhood	9030618-02	Air	03/05/19 11:41	03/06/19 10:20
Water Tower	9030618-03	Air	03/05/19 10:44	03/06/19 10:20
WB Village Hall C1	9030618-04	Air	03/05/19 10:24	03/06/19 10:20
WB Village Hall C2	9030618-05	Air	03/05/19 10:24	03/06/19 10:20
Gower MS	9030618-06	Air	03/05/19 10:35	03/06/19 10:20
WB Warehouse	9030618-07	Air	03/05/19 10:17	03/06/19 10:20
Gower ES	9030618-08	Air	03/05/19 11:34	03/06/19 10:20
Hinsdale South HS	9030618-09	Air	03/05/19 11:27	03/06/19 10:20

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-C
RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Trip Blank

Lab ID: 9030101-10

Sampled: 02/26/19 00:00

Pressure @ Receipt: 30" Hg

Canister #: A21033

Received: 03/01/19 10:50

Comments: Trip Blank

Analyzed: 03/06/19 17:31

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0614

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Hinsdale South HS

Lab ID: 9030524-01

Sampled: 03/02/19 09:59

Pressure @ Receipt: 6.50" Hg

Canister #: 5143

Received: 03/05/19 10:18

Comments: Probe 10076 Start 10:27 3/1/19

Analyzed: 03/05/19 19:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0693	0.13		0.0614

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-C
RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Willow Pond Park

Lab ID: 9030524-02

Sampled: 03/02/19 09:55

Pressure @ Receipt: 5.00" Hg

Canister #: SAT129

Received: 03/05/19 10:18

Comments: Probe # 10294 Start 10:11 3/1/19

Analyzed: 03/05/19 20:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0817	0.15		0.0614

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-C
RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: West Neighborhood

Lab ID: 9030524-03

Sampled: 03/02/19 10:07

Pressure @ Receipt: 4.00" Hg

Canister #: 18884

Received: 03/05/19 10:18

Comments: Probe # 10310 Start 10:47 3/1/19

Analyzed: 03/05/19 21:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0614

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Village Hall

Lab ID: 9030524-04

Sampled: 03/02/19 09:42

Pressure @ Receipt: 3.00" Hg

Canister #: 5005

Received: 03/05/19 10:18

Comments: Probe #10313 Start 9:40 3/1/19

Analyzed: 03/05/19 22:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0614

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower MS

Lab ID: 9030524-05

Sampled: 03/02/19 09:46

Pressure @ Receipt: 4.00" Hg

Canister #: SAT106

Received: 03/05/19 10:18

Comments: Probe #10311 Start 9:51 3/1/19

Analyzed: 03/05/19 23:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0614

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-C
RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower ES

Lab ID: 9030524-06

Sampled: 03/02/19 10:04

Pressure @ Receipt: 6.50" Hg

Canister #: SAT171

Received: 03/05/19 10:18

Comments: Probe # 10077 Start 10:38 3/1/19

Analyzed: 03/06/19 00:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0805	0.15		0.0614

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Warehouse C1

Lab ID: 9030524-07

Sampled: 03/02/19 09:38

Pressure @ Receipt: 3.00" Hg

Canister #: SAT117

Received: 03/05/19 10:18

Comments: Col 1 Probe #10314 Start 9:31 3/1/19

Analyzed: 03/06/19 01:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0571	0.10	U	0.0614



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Warehouse C2

Lab ID: 9030524-08

Sampled: 03/02/19 09:38

Pressure @ Receipt: 5.50" Hg

Canister #: 5076

Received: 03/05/19 10:18

Comments: Col 2 Probe #10315 Start 9:31 3/1/19

Analyzed: 03/06/19 02:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0798	0.14		0.0614



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Water Tower

Lab ID: 9030524-09

Sampled: 03/02/19 09:50

Pressure @ Receipt: 3.00" Hg

Canister #: SAT059

Received: 03/05/19 10:18

Comments: Probe # 10312 Start 10:01 3/1/19

Analyzed: 03/06/19 05:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0788	0.14		0.0614

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Willow Pond Park

Lab ID: 9030618-01

Sampled: 03/05/19 10:51

Pressure @ Receipt: 4.50" Hg

Canister #: A21013

Received: 03/06/19 10:20

Comments: Probe # 10294 Start 11:33 3/4/19

Analyzed: 03/06/19 18:31

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Ethylene oxide	0.0599	0.11	U	0.0614



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: West Neighborhood

Lab ID: 9030618-02

Sampled: 03/05/19 11:41

Pressure @ Receipt: 4.00" Hg

Canister #: 5046

Received: 03/06/19 10:20

Comments: Probe # 10310 Start 12:27 3/4/19

Analyzed: 03/06/19 19:31

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0623	0.11		0.0614



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Water Tower

Lab ID: 9030618-03

Sampled: 03/05/19 10:44

Pressure @ Receipt: 2.00" Hg

Canister #: SAT026

Received: 03/06/19 10:20

Comments: Probe # 10312 Start 11:18 3/4/19

Analyzed: 03/06/19 20:31

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0614

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Village Hall C1

Lab ID: 9030618-04

Sampled: 03/05/19 10:24

Pressure @ Receipt: 2.30" Hg

Canister #: A22228

Received: 03/06/19 10:20

Comments: Col 1 Probe #10313 Start 10:37 3/4/19

Analyzed: 03/06/19 21:33

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0892	0.16		0.0614

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Village Hall C2

Lab ID: 9030618-05

Sampled: 03/05/19 10:24

Pressure @ Receipt: 4.50" Hg

Canister #: 3639A

Received: 03/06/19 10:20

Comments: Col 2 Probe # 10315 Start 10:37 3/4/19

Analyzed: 03/06/19 22:33

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0377	0.07	U	0.0614



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower MS

Lab ID: 9030618-06

Sampled: 03/05/19 10:35

Pressure @ Receipt: 3.50" Hg

Canister #: A21055

Received: 03/06/19 10:20

Comments: Probe #10311 Start 10:52 3/4/19

Analyzed: 03/07/19 01:33

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0614



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Warehouse

Lab ID: 9030618-07

Sampled: 03/05/19 10:17

Pressure @ Receipt: 1.60" Hg

Canister #: 707

Received: 03/06/19 10:20

Comments: Probe #10314 Start 10:21 3/4/19

Analyzed: 03/07/19 02:33

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0614



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower ES

Lab ID: 9030618-08

Sampled: 03/05/19 11:34

Pressure @ Receipt: 6.50" Hg

Canister #: A21051

Received: 03/06/19 10:20

Comments: Probe # 10077 Start 12:13 3/4/19

Analyzed: 03/07/19 03:36

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0684	0.12		0.0614



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Hinsdale South HS

Lab ID: 9030618-09

Sampled: 03/05/19 11:27

Pressure @ Receipt: 4.50" Hg

Canister #: ER025

Received: 03/06/19 10:20

Comments: Probe 10076 Start 11:58 3/4/19

Analyzed: 03/07/19 04:36

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0674	0.12		0.0614



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
---------	--------	-------	---------------	-----	-----------	-------

Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B9C0507 - Summa Canister Prep

Blank (B9C0507-BLK1)

Prepared: 03/04/19 Analyzed: 03/05/19

Ethylene oxide	ND	ppbv				U
----------------	----	------	--	--	--	---

Duplicate (B9C0507-DUP1)

Source: 9030524-07

Prepared: 03/02/19 Analyzed: 03/06/19

Ethylene oxide	0.0693	ppbv	ND		25	
----------------	--------	------	----	--	----	--

Duplicate (B9C0507-DUP2)

Source: 9030524-08

Prepared: 03/02/19 Analyzed: 03/06/19

Ethylene oxide	0.0992	ppbv	0.08	21.7	25	
----------------	--------	------	------	------	----	--

Batch B9C0605 - Summa Canister Prep

Blank (B9C0605-BLK1)

Prepared: 03/04/19 Analyzed: 03/06/19

Ethylene oxide	ND	ppbv				U
----------------	----	------	--	--	--	---

Duplicate (B9C0605-DUP1)

Source: 9030618-04

Prepared: 03/05/19 Analyzed: 03/06/19

Ethylene oxide	0.0631	ppbv	0.09	34.3	25	
----------------	--------	------	------	------	----	--

Duplicate (B9C0605-DUP2)

Source: 9030618-05

Prepared: 03/05/19 Analyzed: 03/07/19

Ethylene oxide	ND	ppbv	ND		25	U
----------------	----	------	----	--	----	---



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Analyte	Result	Units	% Difference	Limit (%)	Notes
---------	--------	-------	--------------	-----------	-------

Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1903004

Calibration Check (1903004-CCV1)

Prepared & Analyzed: 03/01/19

Ethylene oxide	1.96	ppbv	-21.7	30.00
----------------	------	------	-------	-------

Sequence 1903014

Calibration Check (1903014-CCV1)

Prepared & Analyzed: 03/05/19

Ethylene oxide	1.79	ppbv	-28.3	30.00
----------------	------	------	-------	-------

Sequence 1903018

Calibration Check (1903018-CCV1)

Prepared & Analyzed: 03/06/19

Ethylene oxide	1.85	ppbv	-25.9	30.00
----------------	------	------	-------	-------

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 **FAX:** -

FILE #: 0344.00

REPORTED: 03/18/19 14:51

SUBMITTED: 03/01/19 to 03/06/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, ethylene oxide, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trchlorofluoromethane, and trichlorotrfluoroethane.